IBM BladeCenter S—Big benefits for the small office

Highlights

- ***All in one—integrates servers, SAN storage, networking and I/O into a single chassis***
- ***No special wiring needed—uses standard office power plugs with 100 – 240 V***
- ***Flexible modular technology—integrates a family of IBM blade servers supporting a wide range of operating systems and applications***
- ***Easy to deploy, use and manage—BladeCenter® Start Now Advisor allows simple setup, so you can focus on your business, not your IT***
- ***Helps build greener IT infrastructures—IBM Cool Blue™ technology delivers a portfolio of tools that helps plan, manage and control power and cooling***

Large enterprises and small businesses alike depend on their IT systems to provide the high performance, availability, and resiliency customers and partners demand. Yet to stay competitive, organizations must find an economical way to simplify and efficiently manage evolving technology requirements. Small and midsized businesses in particular are pressured to do more with less space, fewer IT resources and tighter budgets.

For many organizations, IBM BladeCenter is the answer. Many large enterprises have long known that blade systems can help:

- *Reduce the physical server sprawl associated with typical businesses.*
- *Minimize the IT staff needed to manage the applications essential to operating day-to-day business functions.*
- *Lower costs through the ability to add more servers, storage and networking simply on an as-needed basis.*
- *Save energy through reduced power consumption compared to rack servers.*

Now IBM brings the power of BladeCenter to small and midsized businesses. Introducing IBM BladeCenter S, the industry's first blade chassis uniquely designed for small and midsized offices and distributed environments. Building-in simplicity and economy, BladeCenter S is designed to get big IT results from the smallest IT staffs.

Right size, right choice

Small enough to sit under your desk, the new BladeCenter S chassis makes it easy and cost-effective for small and midsized businesses to obtain IT results at levels traditionally reserved for large enterprises. With six blade servers, and a fully integrated Storage Area Network (SAN), the chassis simply plugs into an average wall socket, helping eliminate the need to own and operate costly data centers.

Within a single chassis, BladeCenter S supports virtually all of your applications—including those running on Microsoft® Windows®, IBM AIX® and Linux®—and integrates the hardware and software most used by midsized businesses:

The Office Enablement Kit is the ideal way to deploy BladeCenter S in your environment. Shown here with optional 1U monitor/keyboard tray.

- *Antivirus/firewall protection*
- *Voice over IP*
- *Virtualization*
- *E-mail and collaboration applications*
- *Backup and recovery*
- *File and print applications*
- *Easy tools to manage storage*

BladeCenter S is compatible with the BladeCenter family of products, helping provide investment protection and seamless growth. The new chassis shares many of the BladeCenter blades and switches. Leveraging a single, compatible architecture can help you reduce costs and complexity, while helping deliver investment protection.

Easy to deploy with Start Now Advisor

IBM knows that midsized businesses and enterprises with branch offices need solutions that are easy-to-deploy. That's why BladeCenter S ships with the Start Now Advisor tool, a DVD that walks you through the setup of components of the chassis. Setting up IT has never been simpler. In addition, the

BladeCenter S Office Enablement Kit is the ideal way to deploy BladeCenter S into your everyday office. With features that let you:

- *Reduce IT noise using a built-in acoustical module*
- *Secure all your information using a front locking door*
- *Allow growth with 4U of free rack space*
- *Easiest way to move six servers using lockable wheels*
- *Keep your IT healthy using an optional contaminants filter*

For businesses operating branch offices—such as retailers or financial institutions—IT administrators at headquarters can easily pre-configure hundreds of systems to operate in the same manner, enabling branch managers to simply plug a system in and power it up.

Easy to manage

BladeCenter S is even easier to manage with easy-to-use tools that will get your solution up and running quickly, while helping you minimize the costs associated with managing your environment.

Installation

BladeCenter S takes the ease of setting up IT to a whole new level. With BladeCenter Start Now Advisor, you can set up the components of the chassis from a single console. Choose from several popular and predefined configurations, including RAID options, and bypass the traditional step-by-step approach to setting up storage.

Administration

With simpler and more cost-effective administration, BladeCenter S may require fewer IT resources, helping enable skilled IT staff to be deployed to more strategic initiatives. In addition, tools such as IBM Predictive Failure Analysis®, light path diagnostics and multiple layers of redundancy can help keep systems available and operating at peak performance with little manual IT intervention.

Acquisition

As part of the IBM Express Advantage Portfolio, BladeCenter S is even easy to purchase. The entire IBM Express Portfolio™ is developed and priced with a midsized budget and usability needs in mind. In addition, low-rate finance options may be available from IBM Global Financing.

Less impact on budget, more savings

As energy costs continue to escalate, power and cooling budgets are tightening. BladeCenter S is designed to facilitate impressive compute power in an energy efficient package. In fact, it can be up to 50% more energy efficient than rack or tower servers. BladeCenter S is the best of both worlds, with the ability to help you reduce both your power and cooling costs.

BladeCenter S offers:

- *The ability to operate at standard 110 V or 220 V typical office power, eliminating the need for high-voltage power.*
- *Groundbreaking power and cooling technologies to help lower power consumption and increase efficiency.*

A foundation for success

BladeCenter leads the market with the largest install base of blade servers. BladeCenter also has the premier ecosystem providing solutions to business, small and large. BladeCenter offerings are designed to grow with your business.

IBM BladeCenter S at a glance	
Form factor	Rack/7U incorporates blade server bays and hot-swap storage high-availability midplane
Blade bays	Up to six 1- or 2-processor, and up to three 4-processor
Disk bays	Up to two Disk Storage Modules that can incorporate six 3.5" SAS, Nearline SAS, or SATA disks each
Media	Optional DVD multi-burner accessible from each blade server
Switch modules	4 switch module bays
Power supply module	Up to 4 (hot-swap and redundant 950 W/1450 W with load-balancing, auto-sensing and failover capabilities)
Cooling modules	4 hot-swap and redundant blowers standard
Systems management hardware	1 management module standard
I/O ports	Keyboard, video, mouse, Ethernet, USB
Systems management software	Open and easy systems management and deployment tools
Predictive Failure Analysis	Hard disk drives, processors, blowers, memory
Light path diagnostics	Blade server, processor, memory, power supplies, blowers, switch module, management module, hard disk drives and expansion card
Limited warranty[1]	3-year customer replaceable unit and onsite limited warranty
Integrated storage	Support for hot-swap SAS or hot-swap SATA disks
External storage	Support for IBM System Storage™ solutions (including DS and NAS family of products) and many widely adopted non-IBM storage offerings

For more information

Learn how IBM BladeCenter S can help your company do more with less. Visit: **ibm.com**/bladecenter.

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